

FSW-0503 Version: 1



## 5-Port Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs

### Advanced PoE Solution

FSW-0503(Z) is a 4 Fast Ethernet PoE +1 Fast Ethernet Switch. Per PoE port is powered up to 15.4W. The total PoE power budget is 61.6W. It is an ideal solution for extensive WLAN, IP surveillance system deployments especially when the legacy and PoE compliance devices co-exist in your network environment. The switch automatically detects IEEE 802.3af compliant device connected and provides power and data over a single cable to these devices.

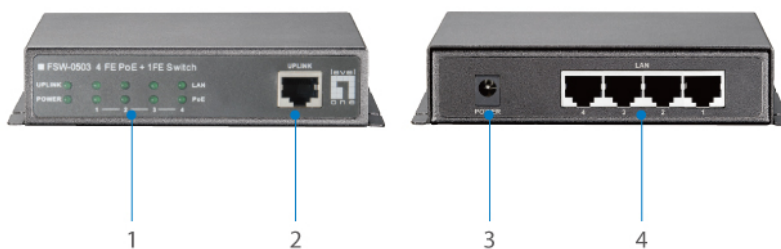
FSW-0503(Z) is compact in size, making it ideal for desktop users with limited space. You also have option of installing several FSW-0503(Z) in a 19" chassis (POC-6000) for a largescale rack-mount PoE Solution.

### Stable and Reliable Network Environment

FSW-0503(Z) enables users to deploy a stable and reliable high-speed LAN environment, with store-and-forward switching architecture, packet error filtering and non-blocking packet forwarding. The 802.3x and backpressure flow control mechanisms work respectively for full and half duplex modes. This device supports N-way auto-negotiation protocol that automatically detects networking speed and duplex modes.

### Easy to Use

For instant error detection, the switch is equipped with a full range of LEDs to help monitor and troubleshoot problems on the network.



1. LED Indicators
2. 10/100Mbps RJ-45 Uplink Port
3. External Power Socket
4. 10/100Mbps RJ-45 PoE Ports

### Key Features

- Provides flexibility of 4 x 10/100BASE-TX PoE ports
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX



- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission

---

## Specifications

### System Specifications

**Standards & Protocols:**

IEEE 802.3 10-BASE-T, Ethernet  
IEEE 802.3u 100-BASE-TX, Fast Ethernet  
IEEE 802.3x Full-duplex Flow Control  
IEEE 802.3af Power over Ethernet (PoE)

**Buffer Memory:**

48KB

**Connectors and Cabling:**

4 x 10/100Base-TX RJ-45 PoE Ports  
1 x 10/100Base-T RJ-45 Uplink Port  
10Base T Cat. 3, 4, 5 UTP/STP  
100Base TX Cat. 5 UTP/STP

**Indicator:**

Power, Uplink, LAN 1~4 port, PoE 1~4 port

**Transmission Method:**

Store-and-Forward

**Power Input:**

56VDC

**Power Consumption:**

< 65W (FSW-0503)  
< 90W (FSW-0503W90)

**MAC Address Table:**

1K

**Data Transfer Rate:**

10/100Mbps

### Features

**PoE:**

Power Budget: Max. 61.6W (FSW-0503)  
Max. 87W (FSW-0503W90)  
PoE Standard: IEEE 802.3af Power over Ethernet / PSE  
PD classification identity  
PoE over current protection  
PoE circuit sorting protection  
PoE Power Output: Per Port 48V DC, Max. 15.4 watts (802.3af)  
Power Pin Assignment: 1/2(+), 3/6(-)

### Performance

**Packet Forwarding Rate:**

100Mbps port - 148,000pps  
10Mbps port - 14,880pps

### Environment

**Temperature (°C):**

Operating: 0°C ~ 45°C  
Storage: - 40°C ~ 70°C

Humidity (Non-condensing):

Storage: 10% ~ 90%

Operating: 10% ~ 90%

## Physical Specifications

Dimensions (W x D x H mm):

90 x 120 x 28 mm

Weight (g):

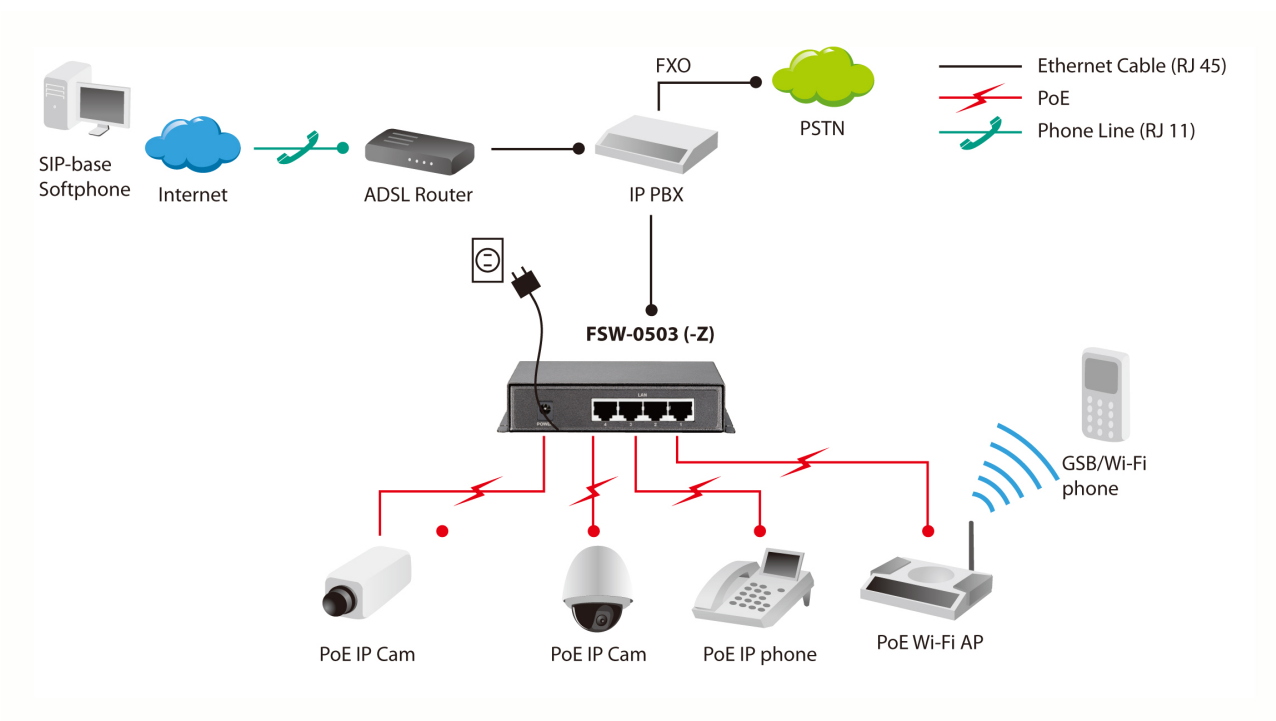
800 g

## Approval and Compliance

EMI/EMS:

FCC, CE, RoHS

## Diagram



## Order Information

FSW-0503: 61.6W

FSW-0503Z: 61.6W, excl. power adapter

FSW-0503W90: 90W

## Package Contents

FSW-0503

User Manual



## Optional Accessory



**POC-4002**  
8-Bay Chassis, 500W



**POC-6000**  
8-Bay Chassis, 1000W

No liability or responsibility for any errors or omissions in the content.  
Specifications are subject to change without notice.  
All mentioned brand names are registered trademarks and property of their owners.  
Copyright © Digital Data Communications GmbH, Germany. All Rights Reserved.